

12.1 inch high definition
display for rich color graphics

Powerful processor for smooth
animations and video playback

Doubles the ram and storage
of the PV1100

Bonded glare-free LCD screen
for superior visibility in sunlight



HUGE, FULL-COLOR DISPLAY BRINGS THE ULTIMATE USER EXPERIENCE TO RUGGED APPLICATIONS

The PV-U120 Defines the all-new Ultimate Series of
Enovation Controls' displays.

Designed specifically to address the unique needs of the
recreation marine market, the PV-U120 builds off of the
tried-and-true PV1100.

The Best gets Better!

- Double the ram and storage*
- A larger screen and higher resolution*
- Improved Bluetooth 5 technology*
- Same all day, all weather visibility (1000 Nits)*
- Same high horsepower processor*
- Same rugged IP67 rating*
- Same trusted I/O*
- Adds support for A2B audio and two simultaneous digital video streams over ethernet

*Compared to the PV1100

INTRODUCING THE POWERVERVIEW ULTIMATE SERIES

BUILT FOR POWERVERVIEW:

PowerVision Configuration Studio® software version 4.0+ lets programmers design stunning user interfaces, create intelligent applications with scripting and prototyping quickly with a vast library of standard engine parameters.

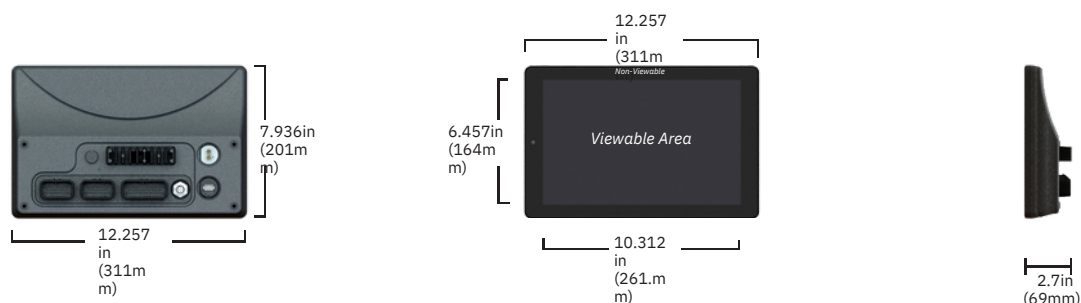


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67**

PV-U120®

DIMENSIONS

IMAGES DO NOT REFLECT ACTUAL DISPLAY - FOR EXAMPLE ONLY



PRODUCT SPECIFICATIONS

COMPUTING	
PROCESSOR	Renesas R-Car M2 with Arm Cortex A15 dual-core processor @ 1.5 GHz (32-bit)
OPERATING SYSTEM	QNX® Realtime Operating System
STORAGE	16GB eMMC flash for operating systems and applications
RAM	1 GB
GRAPHICS	Renesas graphics processor
DISPLAY/HMI	
SCREEN	12-inch, LVDS TFT LCD w/ LED backlight 24bit color
RESOLUTION	1280 x 800
CONTRAST RATIO / BRIGHTNESS	1000:1, 1000 cd/m ²
TOUCH PANEL	Projected capacitive (PCAP) with glove touch
SURFACE	Anti-glare finish
AUDIO/VIDEO	
ANALOG	4x Analog Inputs (NTSC & PAL)
VIDEO	2x Simultaneous streams over ethernet (720 @ 30 FPS)
DIGITAL VIDEO AUDIO	JDAB Radio Controls 1x A2B connection outputs AM, FM, FM HD, and DAB radio 2x Analog audio line inputs 3x AMP turn on outputs 5x differential stereo audio line

INTERFACES	
CAN	2CAN J1939
SERIAL	2x USB 2.0, 1x RS-485
WIFI	802.11(a, b, g, n)
ETHERNET	100MB M12 Code D Connection
BLUETOOTH	Bluetooth 5.0
INPUTS	5x Digital (active high or low) 3x Analog (0-5VDC, 2-20mA) 1x Frequency in (0.5Hz - 20kHz) 2x Antenna inputs via FAKRA connector
OUTPUTS	2x Frequency outputs 1x 500mA switched low-side
ELECTRICAL/ENVIRONMENTAL	
OPERATING VOLTAGE	6-36 VDC, reverse polarity protected
OPERATING TEMPERATURE	-30°C to 70°C
PROTECTION	IP67
VIBRATION	ISOv 15003
SHOCK	+/-50G in 3 axes
EMC/EMI	SAE J1113, ISO 13766, CE per 2014/30/EU

WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer. For more information, go to www.P65Warnings.ca.gov.

FOR MODEL & PART INFORMATION

FOR MANUAL & SUPPORT DOCUMENTS

FOR SUPPORT & WARRANTY

ENOVATIONCONTROLS.COM

SUPPORT.ENOVATIONCONTROLS.COM

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